

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5477C
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Issue: 5
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A. Construction

Diameters (In)

- 1) Component 1 7 X 1 PAIR
 - a) Conductor 24 (7/32) AWG TC
 - b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.044
 - (1) Color Code Alpha Wire Company Color Code K

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	4	BLACK-BLUE	7	BLACK-ORANGE
2	BLACK-WHITE	5	BLACK-YELLOW		
3	BLACK-GREEN	6	BLACK-BROWN		

- c) Pair 2/Cond Cabled Together
 - (1) Twists: 9.6 Twists/foot (min)
- 2) Cable Assembly 7 Components Cabled
 - a) Twists: 3.7 Twists/foot (min)
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
 - a) Foil Direction Foil Facing In
 - b) Drain Wire 24 (7/32) AWG TC
- 4) Jacket 0.035" Wall, Nom.,PVC 0.292 (0.309 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N 5477C 7PR 24 AWG
SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- LLXXXXXX
CSA TYPE CMG FT4 ROHS
* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- 1) UL AWM/STYLE 2464 80°C / 300 V_{RMS}
CM 75°C
- 2) CSA International CMG 60°C
FT4
- 3) EU Directive 2002/95/EC(RoHS):
All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
- 4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 80°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 53 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 300 V_{RMS}
- 2) Mutual Capacitance 23.1 pf/ft @1 kHz, Nominal
- 3) Ground Capacitance 42 pf/ft @1 kHz, Nominal
- 4) Characteristic Impedance 82 Ω
- 5) Inductance 0.19 μH/ft, Nominal
- 6) Conductor DCR 26 Ω/1000ft @20°C, Nominal
- 7) OA Shield DCR 15.9 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT
 - d) Bulk(Made-to-order)

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